

5 What is claimed is:

1. A bifurcated stent comprising:
a proximal tubular section;
a first distal tubular section, said first distal
10 tubular section connected to said proximal section by
connector members; and

a second distal tubular section, said first and
second distal tubular sections welded together at their
proximal ends.

15 *Sub 31* 2. The stent of claim 1 wherein the weld is a spot
weld formed between a dowel and a hole.

20 3. The stent of claim 1 wherein the connector members
are continuously placed around the circumference of the
first distal section.

25 *3-4.* The stent of claim *3* wherein the shape of the
connection is different than the strut shape of the
proximal and distal sections.

Sub 30 62 4. *5.* The stent of claim *3* wherein the connector members
are omega-shaped.

6. The stent of claim 1 wherein said distal end a
proximal sections are expandable to different diameters.

7. A stent comprising a first cylindrical form and a
second cylindrical form connected thereto;

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~~said second cylindrical form placed alongside a wall portion of the first cylindrical form so that the stent forms a "Y"-shaped opening through the interior portion of the stent; and~~

10 ~~said stent having a welded connection at the connection between said first and second cylindrical forms.~~

15 ~~7.8. The stent of claim 6 wherein said second cylindrical form has a smaller interior diameter than said first cylindrical form.~~

20 ~~9. The stent of claim 7 wherein said welded connection is accomplished around the entire circumference of said second cylindrical form.~~

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25 ~~10. A stent comprising a first cylindrical form and a second cylindrical form connected thereto;~~

~~said second cylindrical form placed alongside a wall portion of the first cylindrical form so that the stent forms a "Y"-shaped opening through the interior portion of the stent; said stent having a welded connection at the connection between said first and second cylindrical forms; and~~

30 ~~wherein said welded connection is accomplished around the entire circumference of said second cylindrical form.~~

9 ~~11. The stent of claim 10 wherein said stent is sized to fit within a bifurcated lumen.~~

5 10 12. The stent of claim 10 wherein said stent is balloon
expandable.

10 11 13. The stent of claim 10 wherein said stent has a first
cylindrical form with an opening formed in the wall of
said cylindrical form, and said opening generally
corresponding to the circumference of said second
cylindrical form.

14. A stent comprising a first cylindrical form and a
second cylindrical form connected thereto;
said second cylindrical form placed alongside a wall
portion of the first cylindrical form so that the stent
forms a "Y"-shaped opening through the interior portion of
the stent; and said stent having a welded connection at
the connection between said first and second cylindrical
forms; and
wherein said stent has a first cylindrical form with
an opening formed in the wall of said cylindrical form,
and said opening generally corresponding to the
circumference of said second cylindrical form.

15. A bifurcated stent comprising:
a proximal tubular section;
a first distal tubular section, said first distal
30 tubular section connected to said proximal section by
connector members; and
a second distal tubular section, said first and
second distal tubular sections attached together at
their proximal ends by a ball in socket joint.

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13 16. A bifurcated stent comprising:
10 a proximal tubular section;
a first distal tubular section, said first distal
tubular section connected to said proximal section by
connector members; and
a second distal tubular section, said first and
second distal tubular sections attached together at
their proximal ends by a plurality of flexible hooks.

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